FY 2018 EXCHANGE NETWORK GRANT PROGRAM AWARDS
Office of Environmental Information
U.S. Environmental Protection Agency
FY 18 Grants

FY 2018 EXCHANGE NETWORK GRANT PROGRAM RECIPIENTS		
Recipient Name	**Total Number of Awards**	**Total Amount of Awards**
States	28	$6,847,196.00
Tribes	7	$1,769,718.00
Territories	0	$0.00
All Recipients	**35**	**$8,616,914.00**

FY 2018 EXCHANGE NETWORK GRANT PROGRAM RECIPIENTS				
Recipient Name	**Project Description**	**Registered Components**	**Award Amount**	**Award Date**
STATES				
Alabama - Alabama Department of Environmental Management	The Alabama Department of Environmental Management is requesting Priority 2 Exchange Network Grant funds for the purposes facilitating data migration from SDWIS State to SDWIS Prime, and to produce customized applications and elimination of legacy databases. The proposed project consists of 4 goals as detailed below. The project enhances data sharing and data availability among Exchange Network partners by the inherent processes within SDWIS Prime. Additionally, ADEM will continue to share code and modules with EPA and other states to minimize their project development times and associated costs.	*Not Available - Active Grant*	$114,251.00	8/20/2018

Arizona - Arizona Departmental of Environmental Quality	The proposed project will modernize the collection and sharing of environmental data from various Arizona Pollutant Discharge Elimination System (AZPDES) permittees. This will allow all facilities to obtain the required permits and also report compliance data thereby streamlining the process. Data will flow into core systems that will be shared between programs. These web services will result in enhanced compliance assurance that meets USEPA's Phase II priority."	*Not Available - Active Grant*	$200,000.00	8/22/2018
Arkansas - Arkansas Department of Environmental Quality	The objective of this project is to develop web-based tools with the capacity to upload, transfer, and distribute ADEQ, public, and other governmental entity water quality information. Having this ability will increase the efficiency of information distribution as well as increasing the level of confidence in the attainment decision made using the information. Water quality information includes the actual raw data that is produced during collection and analysis of water and biological samples, evaluation outputs, and Clean Water Act water quality standards attainment decisions. In addition, development of mapping tools with the capability to interface with water quality databases and graphing output is also desired. Therefore, ADEQ proposes to develop three tools, dependent upon available funding, to meet the project objectives.	*Not Available - Active Grant*	$200,000.00	8/20/2018
California - California Environmental Protection Agency	The goal of this grant request is to generate open data resources, services, and functions related to assist the public in answering questions regarding CalEnviroScreen data, and to develop projects and/or project proposals using CalEnviroScreen data.	*Not Available - Active Grant*	$200,000.00	8/15/2018

Colorado - Colorado Department of Public Health and Environment	The department is planning to migrate the ICIS-NPDES, AQS and FRS Outbound data flows from our physical node to the Virtual Exchange Services. This project will help to support the Modernize data collection and dissemination strategic goal."	*Not Available - Active Grant*	$145,535.00	8/21/2018
Connecticut - CT Department of Energy & Environmental Protection	This Project will advance the development of the Exchange Network by streamlining reporting and reducing the administrative burden on the regulated community. By aligning IMERC's online reporting cycle with EPA's proposal, companies will be able to submit their next round of triennial reports once, in 2019. This change will also result in a more complete national mercury inventory and enable EPA and the states to fulfill the data requirements of the Toxic Substances Control Act (TSCA) and the Minamata Convention on Mercury.	*Not Available - Active Grant*	$271,072.00	8/22/2018
Delaware - State of Delaware, DNREC	This project will integrate foundational EN shared services into environmental business processes and increase the number of co-regulator data flows involved in eReporting.	*Not Available - Active Grant*	$172,917.00	8/20/2018
Georgia - Georgia Forestry Commission	This grant submission proposes to design, develop and implement a new GIS-based Prescribed Burn Permit Tracking System for the State of Georgia. This system will be used to collect detailed burn information for prescribed fires occurring throughout the State. Prescribed fires are conducted on more than 1 million acres each year in Georgia for the last 10 years. These fires can emit large amount of air pollutants such as particulate matter (PM), nitrogen oxides, volatile organic compounds, and carbon monoxide. In particular, PM2.5 emissions from wildland fires may account for up to 50% of total PM2.5 emissions from all sources.	*Not Available - Active Grant*	$200,000.00	8/20/2018

Indiana - Indiana Department of Environmental Management	Indiana seeks to modernize the Drinking Water Watch (DWW) web based application through a multi-state partnership with North Dakota, New Mexico, and Louisiana. This public facing application allows interested parties to access real-time drinking water data from any PC and web browser connected to the internet. This proposed project will allow for the eventual integration with SDWIS Prime using REST services by upgrading to a modernized code based using a tiered services oriented architecture. This upgraded application will be deployed to IDEM's online portal (https://portal.idem.in.gov/). Each state partner with the support of the grant will have assistance installing and configuring the DWW - Prime application in their specified environment.	*Not Available - Active Grant*	$375,000.00	8/21/2018
Iowa - Iowa Department of Natural Resources	Together we propose a project that builds upon existing water quality and water monitoring expertise to ink the Iowa Water Quality Information System (IWQIS) to EPA's Currents Discovery Tool (Currents), a demonstration project under EPA's E-Enterprise Initiative designed to use open standards for sharing continuously monitored, environmental sensor data.	*Not Available - Active Grant*	$192,720.00	8/22/2018
Kentucky - Department of Energy and Environment Cabinet	This project supports the goals of the Exchange Network program by modernizing the Kentucky Water Assessment Data for Environmental Monitoring (K-WADE) system to more effectively submit data to WQX and improving integration with our new Kentucky Assessment and TMDL Tracking System (KATTS) that will be flowing assessment data to ATTAINS). The result will be improved data quality and availability for KYDEP, EPA personnel and the pubic, while leveraging existing information technology infrastructures.	*Not Available - Active Grant*	$199,600	9/30/2018

Louisiana - University of Louisiana at Lafayette	To facilitate research and policymaking for coastal aquifer-watershed water management data need to be accessible via unified data schema geared toward linking water quality, availability, and demand. To this end, we propose to build the Coastal Aquifer Research and Management Analytics (CARMA) platform. CARMA is a new E-Enterprise platform that allows existing Exchange Network (EN) data flows to be combined with other water data repositories residing outside of the EN into a unified data schema.	*Not Available - Active Grant*	$199,878.00	8/22/2018
Massachusetts - Executive Office of Environmental Affairs	The proposed project builds capacity among citizen monitoring groups to bring new coastal water quality data to environmental decision-making	*Not Available - Active Grant*	$200,000.00	10/2/2018
Michigan - Department of Natural Resources & Environment	The project goal is to receive in-kind support to use for a Blanket Purchase Agreement that will enable the MDEQ to hire one of two preapproved EPA vendors to assist in the migration of existing data to adopt SDWIS Prime and enable the Compliance Monitoring Data Portal in Michigan. This project not only creates a necessary data flow between MDEQ and EPA, but corrects deficiencies in the procedures for capturing and compiling data that is ultimately reported to the U.S. EPA.	*Not Available - Active Grant*	$200,000.00	10/1/2018
Minnesota - Minnesota Department of Health	The purpose of this grant application is to acquire funding to support Minnesota Department Health (MDH), Drinking Water Protection (DWP) Section to test, implement, and transition to SDWIS Prime. SDWIS Prime is a new EPA-provided system designed to assist primacy agencies in managing their Public Water System Supervision (PWSS) programs under the Safe Drinking Water Act (SDWA) and a new priority system of the Exchange Network Grant Program under Priority 2: Increase Number of Co-Regulator Data Flows Involved in e-Reporting.	*Not Available - Active Grant*	$200,000.00	8/15/2018

Mississippi - Mississippi Department of Environmental Quality	The goal of this project is to build an in-house assessment and TMDL tracking system that will enable Mississippi to submit the 2020 CWA§305b/CWA§303d Integrated Reporting data using the ATTAINS XML data flow.	*Not Available - Active Grant*	$200,000.00	8/20/2018
Montana - State of Montana Department of Environmental Quality	This 2018 NEIEN grant proposal is for MTDEQ WQPB's The ICIS - NPDES / ATTAINS Integration Project. This integration project involves adding user interface components, SQL Server to Oracle database linkages, updates for the ICIS schema and dataflow, additional NOI implementation, and development and testing of a compliance inspector field tablet. This project poses modifications to MTDEQ water quality assessment database system (WARD) and the Fees, Applications, Compliance, and Tracking System (FACTS) requiring user interface and database changes to accommodate the TMDL, permitting, and compliance programs.	[11378](11378)	$200,000.00	8/21/2018
Nevada - Nevada System of Higher Education - Western Nevada College	WNC plans to build, expand and share a statewide repository of environmental outcome data collected from green businesses and programs. This will automate the data collection process, because Nevada state agencies manually collect environmental outcomes and enter them into a spread sheet for state reporting purposes. This new database will facilitate sharing of environmental data through standards based shared and reusable services and streamline data collection to improve timeliness for decision making. It will increase the quality and access to environmental data so it is more useful to environmental managers and Nevada agencies."	*Not Available - Active Grant*	$400,000.00	8/21/2018

New Mexico - State of New Mexico Environment Department	The proposed project will implement improved environmental management work flows between bordering states by utilizing the Exchange Network (EN) Enterprise Security Bridge as the E-Enterprise Federated Identity Management (EE-FIM) hub to ensure secure pminer to pminer transactions. This implementation will allow environmental agency users from New Mexico, Colorado and Arizona to seamlessly traverse between partner and EPA applications and/or data resources using their trusted identity, without having to separately log in to each resource.	*Not Available - Active Grant*	$399,251.00	8/21/2018
North Carolina - NC Department of Environmental Quality	The goals laid out in this proposal will result in the modernization of the North Carolina Department of Environmental Quality's (NC DEQ)1 environmental databases and workflows, thereby increasing the department's ability to share environmental data more effectively with the EPA and the public at large.	*Not Available - Active Grant*	$200,000.00	8/15/2018
North Dakota - North Dakota Department of Health	This grant will be used to assist the state with implementing SDWIS Prime in the state Drinking Water Program and will also be used to enable electronic reporting of Annual Emission Inventory Reports for the states Air Quality Permitting and Compliance Program.	*Not Available - Active Grant*	$200,000.00	8/15/2018
Oklahoma - Oklahoma Water Resources Board	The project will improve the AWQMS system by providing an integrated tool for automated generation of IBI scores, providing the capability to compare data against all necessary water quality threshold criteria, and providing a long-term data consolidation, validation, management, and sharing/WQX submission solution for the NALMS Secchi Dip-In program.	*Not Available - Active Grant*	$398,025.00	8/15/2018

Oregon - Health Authority	This project will support our transition from the legacy SDWIS State database system to the new cloud-based SDWIS Prime system. A functioning database system is mission critical in ensuring that public water systems are providing drinking water that meets health-based standards. In addition to a transition to SDWIS Prime, this project will also support repurposing SDWIS State into a local database and synchronization with SDWIS Prime. The local database will be used to drive a web application, Data Online, that provides public and staff access to information regarding both federally and state regulated public water systems. Data Online is a vital resource for both the public and our staff and must be retained in the transition process to SDWIS Prime.	*Not Available - Active Grant*	$120,000.00	10/1/2018
Pennsylvania - PA Department of Environmental Protection	This proposal will continue PA DEP's commitment to wider data accessibility by actively participating in activities within EPA's Air Quality and eEnterprise programs and projects.	*Not Available - Active Grant*	$199,390.00	8/21/2018
Texas - Texas Commission on Environmental Quality	TCEQ is currently working with EPA to develop a new ICIS-NPDES XML schema to support data elements required in the EPA NPDES eReponing rule. Funding will assist TCEQ to upgrade existing information technology systems to enable TCEQ to comply with new requirements. Additionally, TCEQ will register all new Texas data flows and/or reusable data now components in Exchange Network Discovery Service (ENDS) or Reusable Component Services (RCS).	14097	$200,000.00	8/21/2018
Utah - Utah Department of Environmental Quality	Evaluate EPA's progress on the design of the current Data Bridge and Migrate to State Replacement applications and applicability of the CMDP platform for use by Primacy Agency bulk upload of sample data."	*Not Available - Active Grant*	$400,000.00	8/22/2018

Vermont - Department of Environmental Conservation	This project will develop a solution to allow the VT DEC eManifest program to retrieve data made available to states and the public once EPA develops the new e-manifest system. This project is in response to the 2012 Hazardous Waste Electronic Manifest Establishment Act.	*Not Available - Active Grant*	$200,000.00	8/14/2018
Washington - Recreation and Conservation Office	Data about investments and implementation of restoration projects will be harmonized with data about environmental outcomes from multiple partner databases. The EET web application will display results derived from a statistical analysis of change over time, associated with restoration and management actions designed to protect and restore water and water dependent resources.	*Not Available - Active Grant*	$396,157.00	8/21/2018
West Virginia - West Virginia University Research Corporation	We propose to develop water quality information portal for shale gas regions in West Virginia through data exchanges and web tools on state and federal geo-platforms. Importantly, the data exchange of information will enable users to analyze and visualize surface and groundwater quality data in relation to hotspots of shale gas development in WV."	*Not Available - Active Grant*	$200,000.00	8/21/2018
Wisconsin - Wisconsin Dept of Natural Resources	WDNR requests support to develop, test and implement additional state data flows to the Integrated Compliance Information System - National Pollutant Discharge Elimination System (ICIS-NPDES) to meet the requirements of EPA's NPDES Electronic Reporting Rule; and design, develop, test and implement enhancements to state data systems to replace paper submittals of Notices of Intent forms from NPDES general permit holders and other programmatic annual reports with electronic submittals to enhance and streamline the data review and validation process and to comply with EPA's Reporting rule."	*Not Available - Active Grant*	$200,000.00	8/21/2018

Wyoming - State of Wyoming	This grant is sought to automatically flow compliance and enforcement data to ICIS-AIR from similarly-structured air quality data systems. The goals for this grant are to map data elements to the ICIS-AIR XML schema, to create XML extract capabilities, to develop a user interface with each air data system to create XML output files, to validate data being transmitted to EPA through Virtual Exchange Services or Open Node 2.0, and to establish a final production dataflow from each respective system to ICIS-AIR."	*Not Available - Active Grant*	$383,000.00	8/21/2018
TRIBES				
Tribe, Region 9 - **Coyote Valley Band of Pomo Indians**	The project will protect human health and the environment through the development of streamlined data management and geospatial capabilities. The ability to easily access and analyze data will assist in Tribal resilience, the ability to detect problems impacting health and safety and to remedy them, and increased capacity to comply with granting and regulatory agency requirements. The implementation of Exchange Network technology will allow the Tribe to share environmental data more efficiently and effectively with other Tribes and government entities, to provide outreach to the community and to other Tribes.	*Not Available - Active Grant*	$185,000.00	8/20/2018
Tribe, Region 9 - **Dry Creek Band of Pomo Indians**	This project will create water quality database and map the database to the WQX schema, develop a dashboard for water quality visualization and analysis using open source tools, and build technical capacity for the Dry Creek Rancheria to manage the database and VES in the future. Visualization and analytics will allow stakeholders to assess water quality issues and develop water management solutions using data housed in the STORET Data Warehouse and available through the WQX interface."	*Not Available - Active Grant*	$199,067.00	8/22/2018

Tribe, Region 9 **Hualapai Tribal Council**	This grant will focus first on air data gathering and transmissions through AQS. The Hualapai Tribal Council proposes to purchase two (2) Teledyne Model T640 PM Mass Monitors and other essential components of the T640 to monitor both PM 10 and PM 2.5. Once installed, data submission will be improved and the costs/burden of gathering air data reduced. Currently available web technology, Central Data Exchange (CDX) will be used for data submission.	*Not Available - Active Grant*	$134,315.00	5/1/2019
Tribe, Region 5 - **Keweenaw Bay Indian Community**	The objective of this project is to connect the KBIC Environmental Management Database (EMD) to the Virtual Exchange Services cloud (VES) and to expand the number of programs within the KBIC NRD that are on the EMD.	*Not Available - Active Grant*	$195,023.00	8/22/2018
Tribe, Region 10 - **Nez Perce Tribe**	The NPT DFRM proposes to augment its data and technology management by expanding our data sharing capacity to include an increased number of data flows not currently included in the initial development of the CDMS systems."	*Not Available - Active Grant*	$199,363.00	8/22/2018
Tribe, Region 10 - **Northwest Indian Fisheries Commission**	The NWIFC with its 20 member tribes, propose to build on their ongoing efforts to increase the tribal capacity by expanding data access and availability through further development and application of their regional exchange network platform."	*Not Available - Active Grant*	$400,000.00	8/20/2018
Tribe, Region 6 - **Otoe-Missouria Tribe of Indians**	Participating tribes will receive training and support to submit new data for OA/QC, data analysis, data upload to wax via a node client, geospatial features, use of AWQMS and configuration and share open dump data via the exchange network.	*Not Available - Active Grant*	$400,000.00	8/20/2018

Tribe, Region 9 - **Redwood Valley Little River Band of Pomo Indians**	This project will further the tribe's implementation of VES by creating a FRS dataflow, integrating FRS web services, utilizing the Water Quality Portal REST services, and build upon the Water Quality Data Discovery Tool in terms of customizing data access and developing analysis capacity. Additionally, the applicant will commit to sharing its operational knowledge of the Exchange with other tribes and with the community.	*Not Available - Active Grant*	$191,265.00	8/20/2018